High VPN Performance

- Protocol: IPSec, PPTP, L2TP, SSL
- Up to 35 VPN tunnels
- Up to 10 SSL VPN tunnels
- DES, 3DES, AES encryption
- Main Mode/ Aggressive Mode Negotiation

Enhanced Network Services

- IPv6
- DHCP Server/ Relay
- Dynamic DNS
- IEEE 802.1q VLAN

Content Filtering

- Static URL Address Filtering
- Keyword Filtering

Fault Tolerance

- WAN Traffic Failover
- Outbound Load Balancing[1]

DSR-500

- 4 Gigabit Ethernet LAN
- 2 Gigabit Ethernet WAN
- 1 USB 2.0

The D-Link® Services Router

The D-Link® DSR-500 Services Router offers a secure, high performance networking solution to address the growing needs of small businesses. Optimal network security is provided via features such as virtual private network (VPN) tunnels, IP Security (IPSec), Point-to-Point Tunneling Protocol (PPTP), Layer 2 Tunneling Protocol (L2TP), and Secure Sockets Layer (SSL). Empower your road warriors with clientless remote access anywhere and anytime using SSL VPN tunnels.

Comprehensive Management Capabilities

The DSR-500 includes dual-WAN Gigabit Ethernet which provides policy-based service management ensuring maximum productivity for your business operations. The failover feature maintains your connection to the Internet when a landline connection is lost. The Outbound Load Balancing feature[1] adjusts outgoing traffic across two WAN interfaces and optimizes the system performance resulting in high availability. The second WAN port can be configured as a DMZ port allowing you to isolate servers from your LAN.

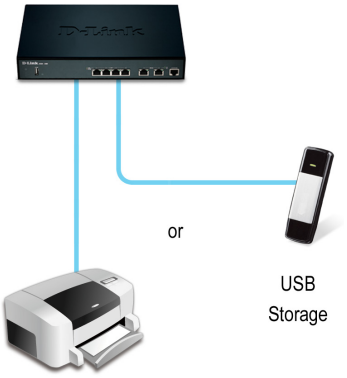
Robust VPN Features

A fully featured virtual private network (VPN) provides your mobile workers and branch offices with a secure link to your network. The DSR-500 are capable of simultaneously managing 10 Secure Sockets Layer (SSL) VPN tunnels respectively, empowering your mobile users by providing remote access to a central corporate database. Site-to-site VPN tunnels use IP Security (IPSec) Protocol, Point-to-Point Tunneling Protocol (PPTP), or Layer 2 Tunneling Protocol (L2TP) to facilitate branch office connectivity through encrypted virtual links. The DSR-500 supports up to 35 simultaneous VPN tunnels.

Efficient Green Technology

As a concerned member of the global community, D-Link is devoted to providing eco-friendly products. Wi-Fi and D-Link Green Ethernet save power and prevent waste. The D-Link Green Ethernet program adjusts power usage based on the detected cable length and link status. In addition, compliance with RoHS (Restriction of Hazardous Substances) and WEEE (Waste Electrical and Electronic Equipment) directives make D-Link Green certified devices the environmentally responsible choice.

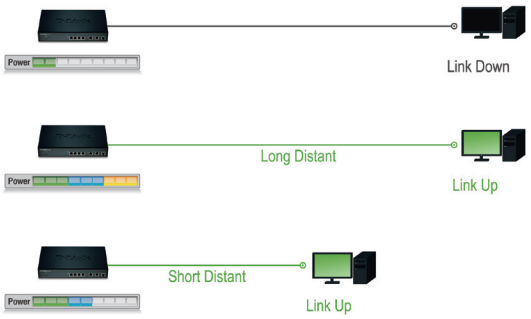
USB 2.0 Extension



D-Link Wireless Services Router supports USB 2.0 to extend functionality via Plug and Play.

* Available with future firmware upgrade

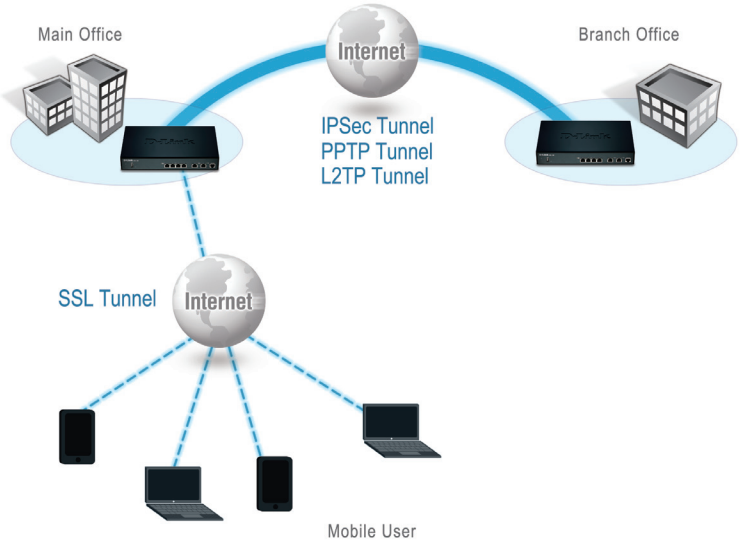
Green Ethernet



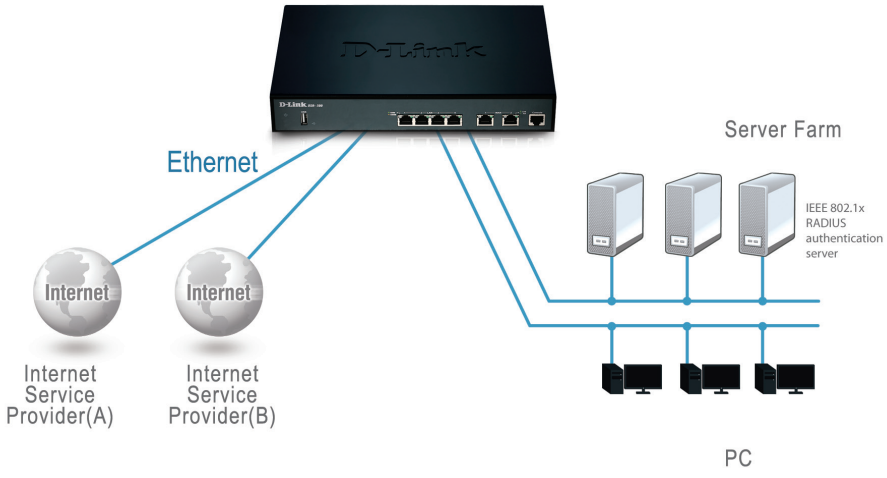
The D-Link Green Ethernet power-saving program can adjust power by detecting link status and cable length.

dlink green™

Secure VPN Network Implementation



Dual-WAN for Redundant Internet



D-Link®

Technical Specifications

Interface

Ethernet	• 2 10/100/1000 Mbps WAN Ports • 4 10/100/1000 Mbps LAN Ports
USB	• 1 USB 2.0
Console	• 1 RJ-45

System Performance[3]

Firewall Throughput[2]	• 70Mbps
VPN Throughput[4]	• 35Mbps
Concurrent Sessions	• 30,000
New Sessions (per second) 300 600	• 300
Policies	• 100 (Each Feature) • 200 (Firewall Rule)

Internet Connection Type

Static / Dynamic IP	• Yes
PPPoE/ L2TP/ PPTP	• Yes
Multiple PPPoE	• Yes

Firewall System

Static Route	• Yes
Dynamic Route	• RIPv1, RIP v2, OSPF[1]
Inter-VLAN Route	• Yes
Dynamic DNS	• Yes
NAT, PAT	• Yes
Web Content Filtering	• Static URL, Keywords
Intrusion Prevention System (IPS)	• Signature package included in Firmware

Networking

DHCP Server/ Client	• Yes
DHCP Relay	• Yes
IEEE 802.1q VLAN	• Yes
VLAN	• Port Based
IP Multicast	• IGMP Proxy
IPv6	• Yes
Route Failover	• Yes
Outbound Load Balancing	• Yes[1]

Virtual Private Network (VPN)

VPN Tunnels	• 35
Encryption Methods	• DES, 3DES, AES, Twofish, Blowfish, CAST-128, NULL
IPSec/PPTP/L2TP Server	• Yes
IPSec NAT Traversal	• Yes
Dead Peer Detection	• Yes

IP Encapsulating Security Payload (ESP)	• Yes
IP Authentication Header (AH)	• Yes
VPN Tunnel Keep Alive	• Yes
Hub and Spoke	• Yes
SSL Virtual Private Network (SSL VPN)	
SSL VPN Tunnels	• 10
Bandwidth Management	
Max. Bandwidth Control	• Yes
Priority Bandwidth Control	• Port-based QoS (3 Classes)
System Management	
Web-based User Interface	• HTTP, HTTPS
Command Line	• Yes
SNMP	• v1, v2c, v3
Physical & Environment	
Operating Temperature	• 32° to 104°F (0° to 40°C)
Storage Temperature	• -4° to 158° F (-20° to 70° C)
Operating Humidity	• 5% ~ 95% (Non-condensing)
Dimensions (D x W x H)	• 70.9" 110.2" x 17.3" (180cm x 280cm x 44cm)
Power Supply	• Internal Power Supply Unit DC12V/2.5A
EMI	• FCC Class B, CE Class B, VCCI, C-Tick, IC
Safety	• cUL, LVD (EN60950-1)
MTBF	• 260,000 hours
Warranty	
Warranty	• Limited Lifetime[5]
Ordering info	
Part Number	*Description*
DSR-500	Services Router

[1] Available with future firmware upgrade
[2] The maximum Firewall plaintext throughput is based on RFC2544 testing methodologies.
[3] Actual performance may vary depending on network conditions and activated services.
[4] VPN throughput is measured using UDP traffic with a 1420 byte packet size, adhering to RFC2544.
[5] Limited Lifetime Warranty available only in the USA and Canada.

All references to speed are for comparison purposes only. Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted. See inside package for warranty details.

Updated 5/10/11

business

For more information
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